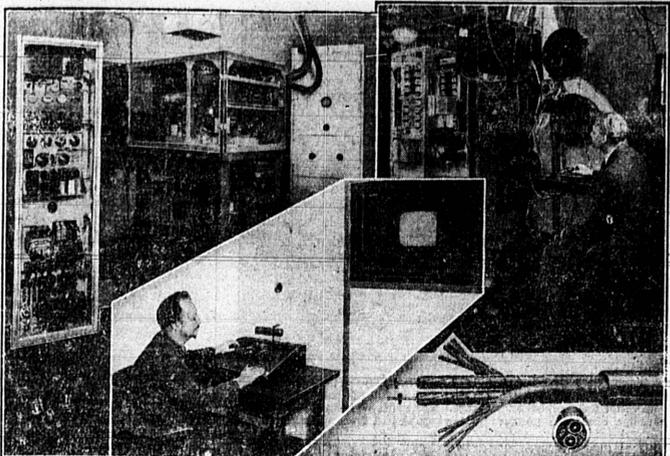


Television Comes Nearer as Phone Cable Transmits "Talking Movies"



To demonstrate the ability of the Bell Telephone System's experimental coaxial cable, installed between New York City and Philadelphia, Pa., to transmit television images, "talking movies" were projected in the telephone laboratories in New York recently and were carried over the cable system to Philadelphia, where they were seen and heard. The test was not of television, but of the possibility of transmitting television programs by wire from point to point at some future time, just as chain radio programs are now sent from

Television on a practical scale came one step nearer to actual accomplishment recently when "talking movies" were projected in New York City and were seen and heard in Philadelphia, 90 miles away.

This event took place in connection with a test of the Bell Telephone System's new experimental coaxial cable, installed between the two eastern cities. The test was not primarily of television, however, but of the cable's ability to handle the transmission of a television program from place to place, just as telephone wire and cable networks now carry radio programs from one broadcasting station to another or to many others.

"Movie" Substitute for Television

Since there is in this country at present no commercial television program which could be used to test the cable system, "talking movies" represented the nearest approach to a television program. These simply interposed the medium of a film, and a time delay, between an actual scene and its transmission to a distant point.

Several news-reel "shots" with their accompaniment of words and music, and a specially prepared film which told and illustrated the story of the experiment of which it was a part, were projected in the Bell Telephone Laboratories in New York. They were reproduced in Philadelphia on a glass screen large

enough for a group of a dozen people to see easily, and the accompanying sound came from a loud speaker. The coaxial cable, developed at the telephone laboratories and installed on an experimental basis between the two cities, consists essentially of two flexible copper tubes, each somewhat bigger around than a pencil, in the center of which a copper wire is held by hard rubber insulators. Each of these tubes, with its wire in the center, serves to carry messages in one direction only. Together, they form a two-way circuit for the transmission of conversation or other messages.

Handles 240 Calls at Once
The two tubes are enclosed in a lead sheath, and the entire cable is not much bigger than a man's thumb. Also enclosed within the sheath are a few ordinary telephone wires, for use in making arrangements for tests, etc. At intervals along the route, special amplifying equipment is installed, and elaborate transmitting and receiving apparatus is required at the terminals in New York and Philadelphia.

The coaxial cable, so relatively small and apparently simple, can handle up to 240 two-way telephone conversations at the same time. This is accomplished by employing what telephone engineers term carrier current with a frequency range of a million cycles. It requires a million-cycle frequency range to transmit electrical by a television image of fair quality. The test of the coaxial cable was therefore to find out whether it would handle a single "message"—a television image—of million-cycle range as successfully as it handles 240 telephone messages occupying together the same frequency range. A transmitter to originate a single "message" of that wide range of frequencies, and a suitable receiver, both of which utilize some of the present techniques of television, were therefore constructed at the telephone laboratories, and it was these which were used in originating and reproducing the "movie" images.

Cable Can Handle Television Images
This was by no means the first instance of the transmission of television by telephone wires. That had been accomplished as long ago as 1927, when recognizable images were transmitted from Washington, D. C., to the Bell Laboratories in New York. Neither was the recent demonstration designed to show an improvement in television as such. What the experiment did show for the first time was the practicality and efficiency of using the wide frequency band of a long coaxial cable for transmitting the currents which carry television images. The knowledge thus gained will be invaluable if at some time in the future television programs are to be moved from place to place by wire.

School Grounds Site for Test Oil Wells

Preparations to drill a test well for oil on the 184th street school grounds are being made by the Union Oil company. Permission to drill the well was given at the last meeting of the Los Angeles board of education.

Archers Shoot Coyotes OROVILLE (UP)—The revival of archery has at last been turned to a practical use. Local archers are shooting coyotes.

World Amity Advanced BERKELEY (UP)—Two hundred greetings in nine different languages were sent from here to students throughout the world at the end of 1937.

Woman, 86, Drives Tractor LACOMB, Ore. (UP)—Mrs. Mary Burford celebrated her 86th birthday by driving a tractor on the farm.

Sermons for Drivers Urged BOSTON (UP)—To curb drunken driving, the Massachusetts Safety Council suggests that sermons on the evils of drunk driving be played in taverns.

Family Has Same Birthday WILLOWS (UP)—Mr. and Mrs. Morris Friedman and a newly born son all have the same birthday.

Tussaud's Loses Trinkets LONDON (U.P.)—The "dummy" V. C. on the breast of the wax figure of Jack Cornwall, boy naval hero, has been stolen from Madame Tussaud's Museum here.

Coastal Alaska Not So Cold SEWARD, Alaska (U.P.)—Coastal Alaskans declared the so-called frozen North was a myth. Temperatures here continue around 20 degrees above zero.

Protests May Block Lomita Sidewalks

Final hearing on the proposed improvement of Normandie avenue, above Roosevelt highway, is to be held by the board of supervisors March 8 and it is believed that a recent switch in sentiment by property owners affected will defeat the project at that time.

Up until a few days ago no protests had been received against the \$7,000 improvement which was to include sidewalks and curbs for the two blocks.

Assertedly because of the prospects of oil in the area, many property owners who had previously signed a petition for the improvement, are said to have signed protests this week.

FREE BOOK REVIEW
The reading public is invited to attend a free book review to be given Monday afternoon, 2:30 o'clock, at the Torrance library.

Legal Advertisement
NOTICE OF SALE
Notice of Public Sale of automobile by lien holder.

Notice is hereby given that pursuant to sections 427 and 428 of the Vehicle Code of the State of California, the undersigned, R. V. Conner will sell at public auction at 1413 Madrid, Torrance, California, at 10 a. m. on the 24th day of March, 1938, the following described property, to-wit:

Chevrolet Coach, Engine No. 4724615.

Said sale is for the purpose of satisfying lien of the undersigned for storage in the amount of \$77.50, together with costs of advertising and expenses of sale.

Dated this 24th day of February, 1938.
R. V. CONNER
First publication February 24, 1938.
Feb. 24-Mar. 3-10

INTEND TO WED

Sherman J. Allen, 22, of 832 Sartori, and Henrietta J. King, 18, of 2071 South Main, Torrance; Gordon L. Groves, 49, of the S. S. Tejon, and Josephine Haworth, 46, of 2257 250th, Lomita; Harry Kanaster, 23, of San Pedro, and Ruth D. Blackhall, 22, of 1634 Beech, Torrance.

Warren T. Conlee, 21, of 1936 Lomita boulevard, and Alice J. Bridges, 18, also of Lomita; Manuel J. Morris, 42, of 25100 Pennsylvania, Lomita, and Esther Walstrom, 39, also of Lomita.

Legal Advertisement
NOTICE OF TRUSTEE'S SALE NO. 23714

On March 14, 1938, at the hour of 10 o'clock A. M., at the Easterly entrance of the Hall of Justice, in the City of Los Angeles, California, TITLE GUARANTEE AND TRUST COMPANY, as Trustee under the deed of trust made by Howe Thayer and Mildred L. Thayer husband and wife, and recorded July 20, 1937, in Book 15096 Page 329 of Official Records of Los Angeles County, California, given to secure an indebtedness in favor of Wayne Mullin, as Trustee, now owned and held by Wayne Mullin, by reason of the breach of certain obligations secured thereby, notice of which was recorded November 3, 1937, in Book 15266, Page 390, of said Official Records, will sell at public auction to the highest bidder for cash, payable in lawful money of the United States at the time of sale, without warranty as to title, possession or encumbrances, the interest conveyed to and now held by said Trustee under said deed of trust, in and to the following described property to-wit:

Lot 7, Block "N," Tract 10392, in the City of Torrance, County of Los Angeles, State of California, as per map recorded in Book 90, at pages 27 to 28 of Maps, Official Records of said County.

Subject to prior encumbrance of record, for the purpose of paying obligations secured by said deed including fees, charges and expenses of the Trustee, advances, if any, under the terms of said deed, interest thereon and \$575.00, in unpaid principal of the note secured by said deed, as in said note and by law provided.

Dated: February 15, 1938.
TITLE GUARANTEE AND TRUST COMPANY
By GEO. B. COLBY,
Vice-President,
Attest G. C. STAHL,
Assistant Secretary.
(Corporate Seal)
Feb. 17-24, Mar. 3

IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA IN AND FOR THE COUNTY OF LOS ANGELES

PACIFIC STATES PROPERTIES, INC., a corporation, Plaintiff, vs. ESTATE OF CHARLES LANTZ, et al, Defendants.
NOTICE OF COMMISSIONER'S SALE ON FORECLOSURE

By judgment and decree of the above entitled court in the above entitled action, entered on the 28th day of January, 1938, in judgment book 939 at page 327, et seq., the above named plaintiff obtained judgment and decree of foreclosure and sale for the sum of \$154.08 plus interest and costs, to which judgment and decree reference is hereby made. By Writ of Enforcement issued to me by the clerk of said court, I am commanded to sell at public auction all of the following described premises situated in the County of Los Angeles, State of California, described as follows, to-wit:

Lot 33, Block 1, Subdivision of Lot 33, of the Meadow Park Tract, as per map recorded in Book 19, Page 97 of Miscellaneous Records, in the office of the County Recorder of said Los Angeles County. Together with the tenements, hereditaments and appurtenances thereto belonging, or in any wise appertaining.

Public notice is hereby given that on Tuesday, the 22nd day of March, 1938, at 10 o'clock A. M. of said day, at the Eastern and Spring Street entrance of the Los Angeles County Hall of Justice, in the City of Los Angeles, County of Los Angeles and State of California, I will sell the above described property, or so much thereof as may be required in compliance with the said decree of foreclosure and order of sale, to the highest and best bidder for cash.

MARCUS FINK, Commissioner appointed by said Court.
EARLE P. THOMPSON, Atty. 701 South Spring Street, Los Angeles, California.
Feb. 24-Mar. 3-10-17



2 FOR 1
DOLLAR DAY EVENT
REGULAR \$1.00 FIRESTONE
Lubrication and Brake Adjustment
Regular \$1 to \$2
By Scientific Trained Factory Experts—
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SAVE!

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Movie Waves
59¢
Apply your own Permanent Wave. | Face Powders
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Special for \$ Day..... 29¢ |
| Stationery
50 Sheets Writing Paper—25 Envelopes.
10¢ | QUALITY Chocolates
Regular \$1 per pound. Special for Dollar Day lb..... 39¢ |
| Cleansing Tissues
200's High Grade
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- BECAUSE I believe in transacting business with my friends.
- BECAUSE I want to see the actual goods before I order.
- BECAUSE I want to get what I want when I pay for it.
- BECAUSE every dollar I spend at home works for the community in which I live.
- BECAUSE the man I buy from stands back of the goods.
- BECAUSE here I live and here I hope to remain.
- BECAUSE the man I buy from pays his part of town, county and state taxes.
- BECAUSE the man I buy from helps support my schools, my lodge, my church, my home.
- BECAUSE when ill luck, misfortune or bereavement come, the man I buy from is here with his kindly greeting, his words of cheer and his pocket-book, if need be.

Torrance Herald

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